ABSTRACT

The present invention provides a mechanical lock for securing one or more filters within a filtration device and methods for producing the mechanical lock. The use of an interference fit punch causes a portion of the inner surface of the wall to be skived and rolled along the wall until it reaches the desired location where it forms a mechanical crimp to retain the one or more filters within the device. In one embodiment, the inner surface has an inwardly taper. In the other, it has straight walls or outwardly tapered walls. The use of a gasket such as an O-ring on top of the filter before the wall is skived provides a liquid tight seal.